AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:

   electing a first server as active manager server, wherein the first server resides in a chassis and the active manager to run services for each server in the chassis;

   storing replicated health and performance matrices in a database associated with the chassis;

   receiving an indication that the first server has failed, wherein the indication is based on the health matrices and performance matrices;

   based on receiving the indication, electing a second server to replace the first server to act as the active manager server based on a predetermined criteria ~~if the first server fails~~, wherein the second server resides in the chassis;

   ~~receiving an indication that the first server has failed, wherein the indication is based on health matrices and performance matrices;~~

   automatically replacing the first server with the second server as the active manager server in response to the indication received,; and

   redirecting requests for the first server to the second server.

2. (Previously Presented) The method of claim 1, wherein the predetermined criteria comprises electing a server with the lowest IP address as the active manager server.

3.   (Previously Presented) The method of claim 1, further comprising:

extracting the health metrics and performance metrics, wherein the health metrics

and performance metrics are dynamic;

replicating the health metrics and performance metrics, wherein the replicating

the health metrics and performance metrics is performed periodically; and

dynamically updating a database populated with the health metrics and

performance metrics.

4.   (Original) The method of claim 3, wherein the health metrics are server-based.

5.   (Original) The method of claim 3, wherein the health metrics comprise tracking

power levels and temperature levels based on predetermined thresholds.

6.   (Original) The method of claim 3, wherein the performance metrics comprise

operating system-based metrics, kernel-based metrics, and server-based metrics.

7.   (Previously Presented) The method of claim 3, wherein the performance metrics

comprise tracking CPU utilization and memory utilization based on

predetermined thresholds.

8.   (Original) The method of claim 3, further comprises an alert mechanism to alert

whenever the health metrics or the performance metrics violate the predetermined

thresholds.

9.   (Original) The method of claim 3, further comprising replicating identification information, wherein the identification information is static.

10.   (Currently Amended) A high-availability management system comprising:

a chassis comprising a plurality of slots;

a plurality of server modules coupled to the plurality of slots, wherein a first

server module of the plurality of server modules is elected as an active

manager server, the active manager to run services for each of the plurality

of server modules;

a database coupled to the plurality of server modules to store replicated health and

performance matrices;

a second server module elected ,based on receiving the indication, to replace the

first server to act as the active manager server based on a predetermined

criteria if the first server module fails;

an indication to indicate that the first server module has failed, wherein the

indication is based on health matrices and performance matrices;

the second server module to automatically replace the first server module as the

active manager server in response to the indication received; and

a redirection process to redirect requests for the first server module to the second

server module.

11.   (Original) The high-availability management system of claim 10, further

comprising a database coupled to the chassis for storing information regarding

chassis identification, slot identification, and server module type.

12-13. (Cancelled)

14.   (Previously Presented) The high-availability management system of claim 10,

wherein the election of the first server module as the active manager server is

performed by middleware, wherein the middleware comprises a software.

15.   (Previously Presented) The high-availability management system of claim 10,

wherein the election of the second server module as the active manager server is

performed by the middleware.

16.   (Original) The high-availability management system of claim 10, wherein the first

server module is elected from a group comprising servers, telephone line cards,

and power substations.

17-20. (Cancelled)

21.   (Currently Amended) A machine-readable medium having stored thereon data

representing sets of instructions, the sets of instructions which, when executed by

a machine, cause the machine to:

elect a first server as active manager server, wherein the first server resides in a

chassis and the active manager to run services for each server in the

chassis;

store replicated health and performance matrices in a database associated with the

chassis;

receive an indication that the first server has failed, wherein the indication is

based on the health matrices and performance matrices;

based on receiving the indication, elect a second server to replace the first server

to act as the active manager server based on a predetermined criteria ~~if the~~

~~first server fails~~, wherein the second server resides in the chassis;

~~receive an indication that the first server failed, wherein the indication is based on~~

~~health matrices and performance matrices;~~

automatically replace the first server with the second server as the active manager

server in response to the indication received; and

redirect requests for the first server to the second server.

22.   (Previously Presented) The machine-readable of claim 21, wherein the

predetermined criteria comprises electing a server with the lowest IP address as

the active manager server.

23.   (Previously Presented) A machine-readable medium of claim 21, wherein the sets

of instructions which, when executed by the machine, further cause the machine

to:

extract the health metrics and performance metrics, wherein the health metrics

and performance metrics are dynamic;

replicate the health metrics and performance metrics, wherein the replicating the

health metrics and performance metrics is performed periodically; and

dynamically update a database populated with the health metrics and performance

metrics.

24-26. (Cancelled)